



**Free Questions for [OMG-OCSMP-MBI300](#) by [certsdeals](#)**

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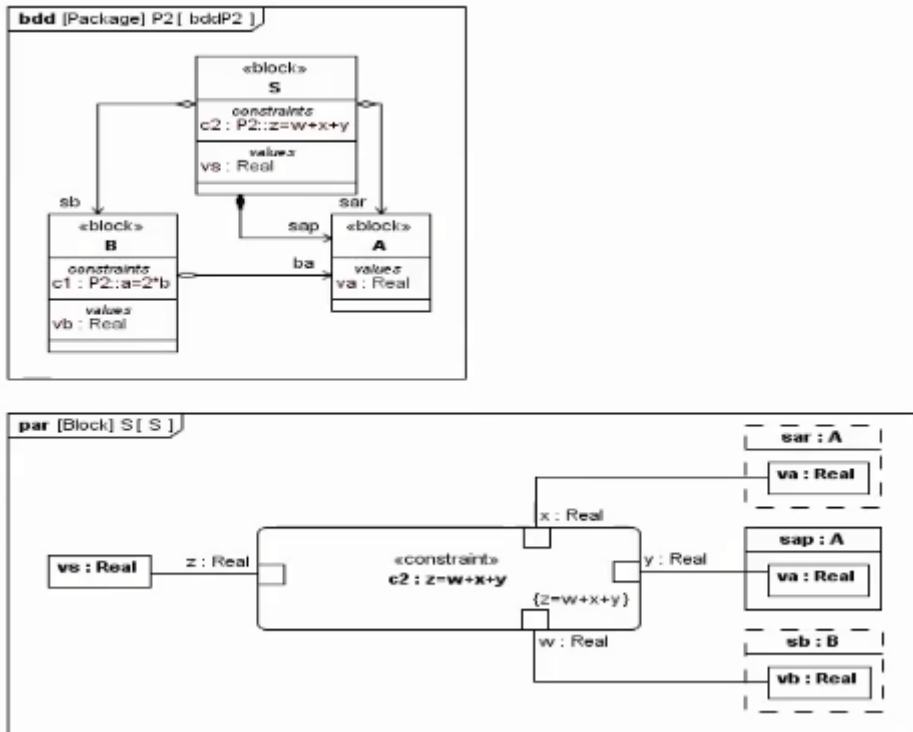
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# Question 1

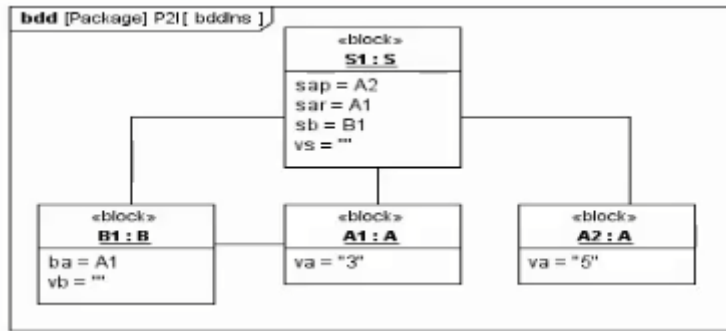
## Question Type: MultipleChoice

Choose the correct answer.

Given the following block structure model:



What is the value of S1.vs when the parametric models are executed for the following instance?



### Options:

---

- A- 11
- B- 14
- C- 13
- D- There is no value - the instance model is invalid

### Answer:

---

B

## Question 2

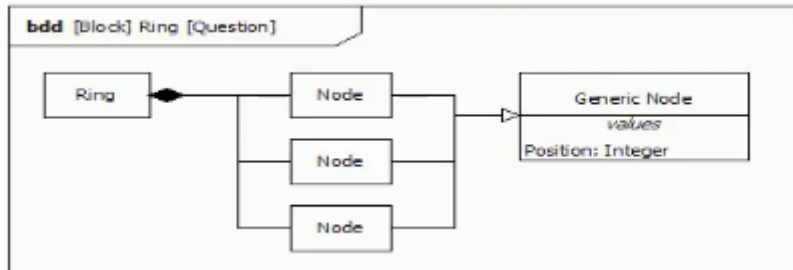
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Question Type: MultipleChoice

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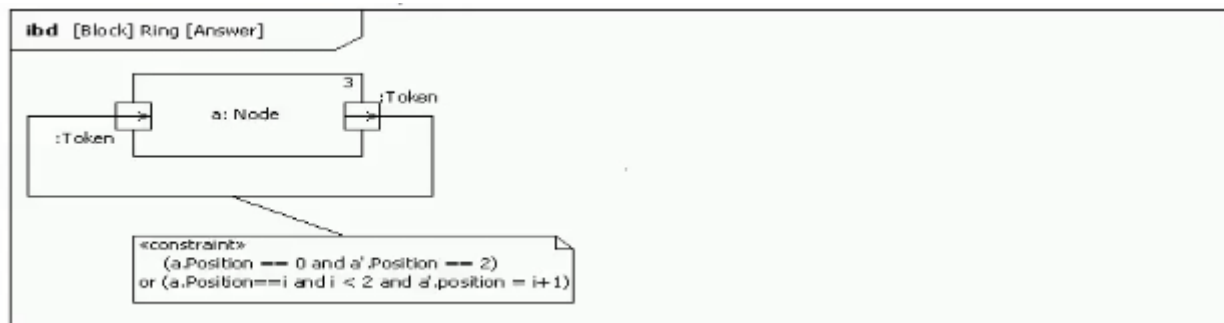
Choose the correct answer

Given the following bdd for a token ring network, in which a token flows from node n to node n+1 except that when it reaches the node at the maximum position n flows to the node at the minimum position.

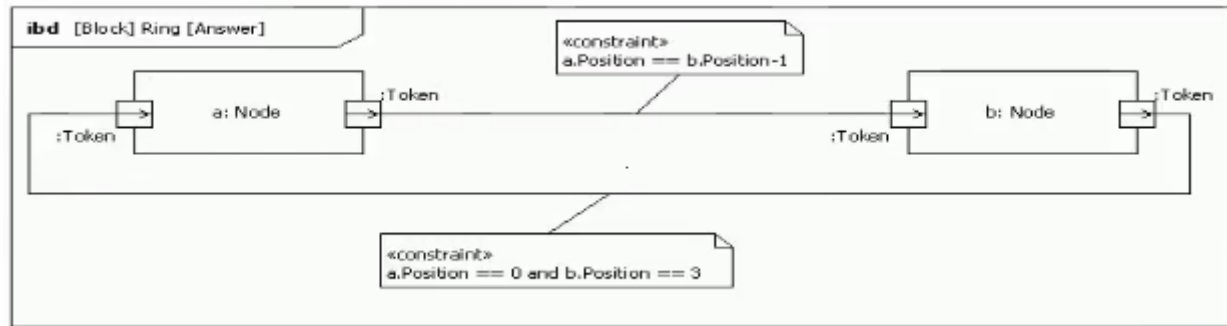


Which ibd correctly models this behavior?

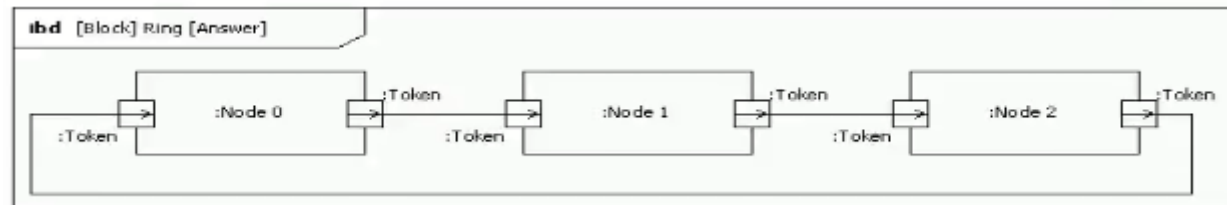
A)



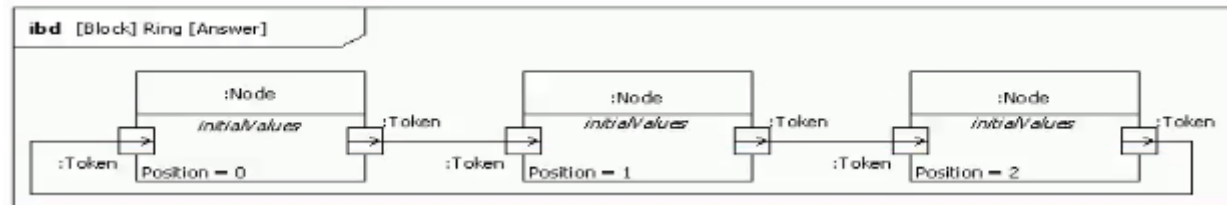
B)



C)



D)



Options:

---

A- Option A

B- Option B

C- Option C

D- Option D

**Answer:**

---

B

## Question 3

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**Question Type:** MultipleChoice

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Choose the correct answer.

How should a generalization set between Shape (superclass) and subclasses Polygon, Rectangle and Triangle be marked?

**Options:**

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A- {complete, disjoint{

**B-** {incomplete, disjoint}

**C-** {complete, overlapping}

**D-** {incomplete, overlapping}

**Answer:**

---

B

## Question 4

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**Question Type: MultipleChoice**

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Choose the correct answer.

What is a property that may be calculated by analysis of the model?

**Options:**

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**A-** a derived property

**B-** an analysis property

- C- a calculated property
- D- an estimation property
- E- a replacement property

**Answer:**

---

D

## Question 5

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**Question Type:** MultipleChoice

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Choose the correct answer.

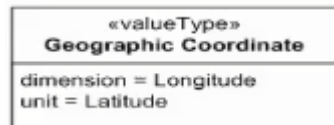
Given the following block:

<i>«block»</i> <b>Subject Location</b>
<i>parts</i> subject profile: Profile subject description: Description
<i>values</i> location: Geographic Coordinate

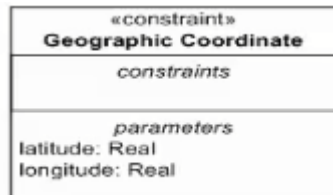
Which SysML construct correctly models Geographic Coordinate?



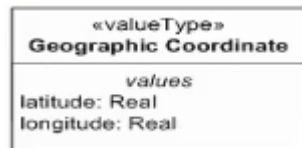
A)



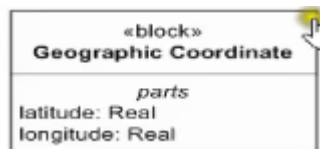
B)



C)



D)



Options:

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A- Option A

B- Option B

C- Option C

D- Option D

**Answer:**

---

C

## Question 6

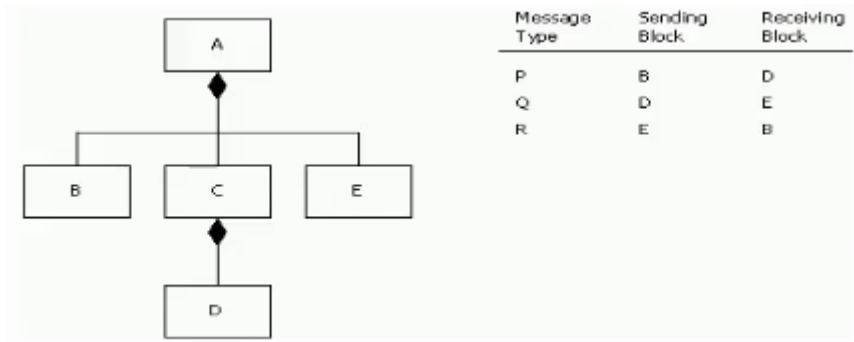
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**Question Type:** MultipleChoice

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Choose the correct answer.

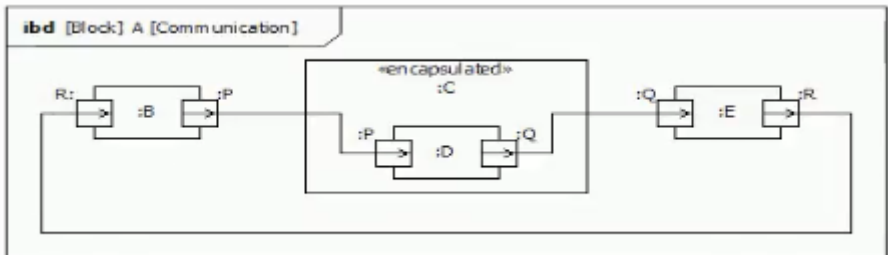
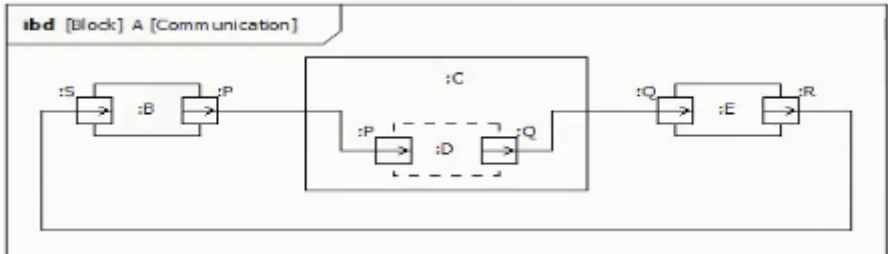
Given the following bdd fragment and table showing messages sent between blocks:



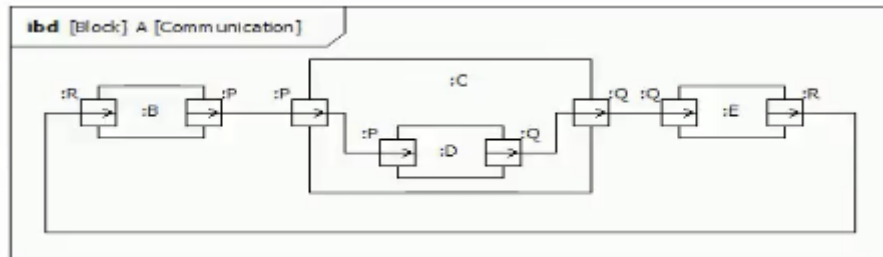
Block C is encapsulated; none of the other blocks are.

Which Ibd for block A has the correct assignment of flow ports and connectors? If two or more options are correct, select the one with the fewest ports.

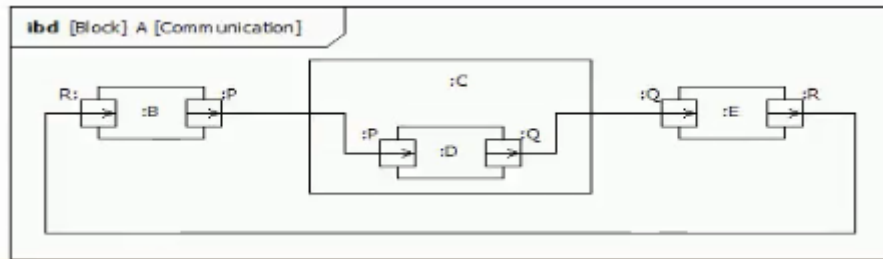
A)



C)



D)



### Options:

A- Option A

B- Option B

C- Option C

D- Option D

**Answer:**

---

B

## Question 7

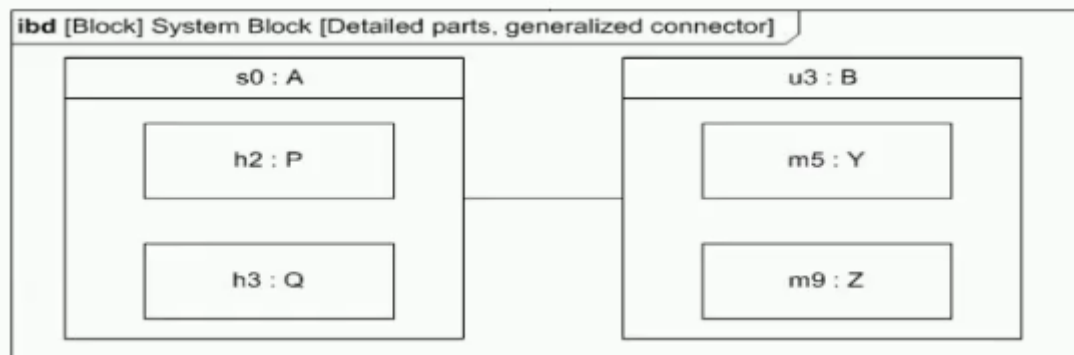
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**Question Type:** MultipleChoice

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Choose the correct answer.

Given the following diagram:



What needs to be determined in order to model the connection between components s0 and u3 in more detail?

**Options:**

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- A- whether component s0 subclasses component u3
- B- which parts of each component participate in the connection
- C- which parts of each component participate in a reference association
- D- whether any part that belongs to component s0 subclasses a part that belongs to component u3

**Answer:**

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B

## Question 8

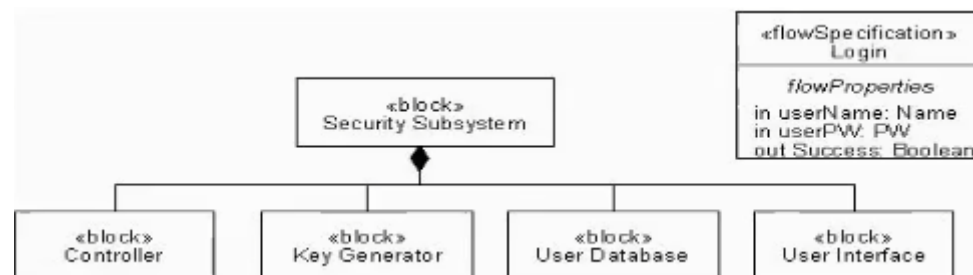
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**Question Type:** MultipleChoice

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Choose the correct answer.

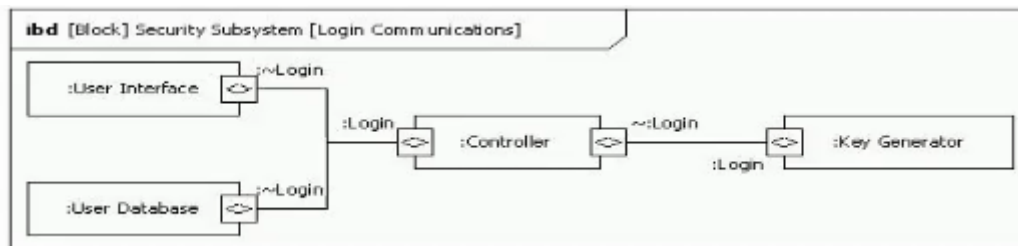
Given the following bdd fragment:



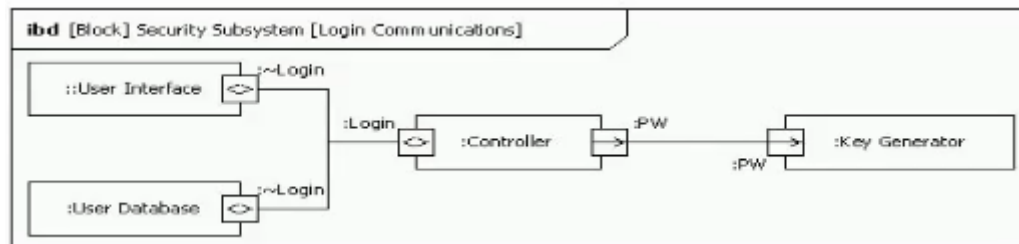
A user provides login credentials to the User Interface, and the Controller passes this information to the User Database. The User Database in turn validates the user name and password (typed by PW In the flow Specification) and responds with a Boolean value indicating whether the login was successful. The Controller provides the password to the Key Generator if login was successful.

Which diagram correctly models these communications? If two or more options are correct, select the one that passes no unnecessary information between any two blocks. If two or more correct options pass the same information between blocks, select the one with the fewest ports.

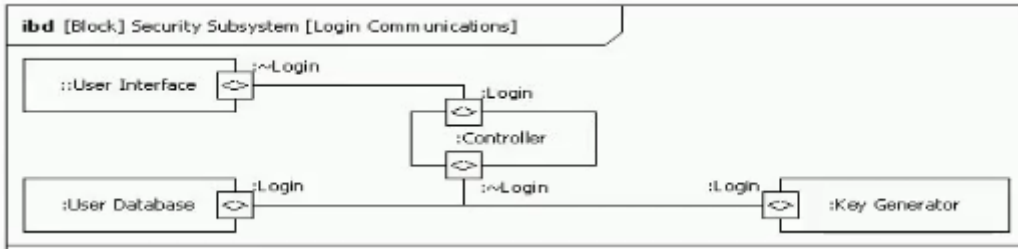
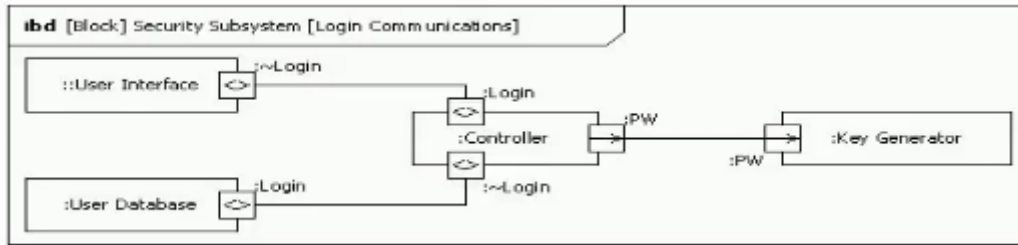
A)



B)



C)



### Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D

### Answer:

B



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